

PTO/SB/08A (08-03)

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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/696,019 |
| | | | | Filing Date | October 28, 2003 |
| | | | | First Named Inventor | Arthur Rick Alleman |
| | | | | Art Unit | 1645 |
| | | | | Examiner Name | Unknown |
| Sheet | 1 | of | 3 | Attorney Docket Number | UF-387 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| MN | U1 | US-6,025,338 | 02-15-2000 | Barbet <i>et al.</i> | All |
| MN | U2 | US-6,251,872 | 06-26-2001 | Barbet <i>et al.</i> | All |
| MN | U3 | US-6,593,147 | 07-15-2003 | Barbet <i>et al.</i> | All |
| MN | U4 | US-6,653,128 | 11-25-2003 | Barbet <i>et al.</i> | All |
| MN | U5 | US-2004-0126871 | 07-01-2004 | Barbet <i>et al.</i> | All |
| MN | U6 | US-2003-0044422 | 03-06-2003 | Barbet <i>et al.</i> | All |
| MN | U7 | US-5,549,898 | 08-27-1996 | McGuire <i>et al.</i> | All |
| | U8 | | | | |
| | U9 | | | | |
| | U10 | | | | |
| | U11 | | | | |
| | U12 | | | | |
| | U13 | | | | |
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| | U15 | | | | |
| | U16 | | | | |
| | U17 | | | | |

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| Examiner Signature | /Albert M Navarro/ | Date Considered | 01/11/2007 |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet

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of

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|--|--------------------------------|--|---|----------------|
| MN | F1 | WO 98/16554 | 04-23-1998 | Barbet <i>et al.</i> | All | |
| MN | F2 | WO 00/65063 | 11-02-2000 | Barbet <i>et al.</i> | All | |
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| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Complete if Known | | |
| | | | Application Number | 10/696,019 | |
| | | | Filing Date | October 28, 2003 | |
| | | | First Named Inventor | Arthur Rick Alleman | |
| | | | Group Art Unit | 1645 | |
| | | | Examiner Name | Unknown | |
| Sheet | 3 | of | 3 | Attorney Docket Number | UF-387 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| MN | R1 | VISSER, E.S. <i>et al.</i> (1992) "The <i>Anaplasma marginale</i> msp5 gene encodes a 19-kilodalton protein conserved in all recognized <i>Anaplasma</i> species" <i>Infect. Immun.</i> 60(12):5139-5144. | |
| MN | R2 | BOWIE, M.V. <i>et al.</i> (1999) "Potential value of major antigenic protein 2 for serological diagnosis of heartwater and related Erlichial infections" <i>Clin. Diagn. Lab Immunol.</i> 6(2):209-215. | |
| MN | R3 | MAHAN, S.M. <i>et al.</i> (1994) "Molecular cloning of a gene encoding the immunogenic 21 kDa protein of <i>Cowdria ruminantium</i> " <i>Microbiology</i> 140(Pt 8):2135-2142. | |
| MN | R4 | HAAS, B.J. <i>et al.</i> (2002) "Full-length messenger RNA sequences greatly improve genome annotation" <i>Genome Biol.</i> 3(6):RESEARCH29. | |
| MN | R5 | GENBANK DATABASE Accession Number AA092930, October 24, 1996 | |
| MN | R6 | GENBANK DATABASE Accession Number AAL17671, October 27, 2001 | |
| MN | R7 | GENBANK DATABASE Accession Number CAE43991, May 6, 2004. | |
| MN | R8 | GENBANK DATABASE Accession Number CAE39512, May 6, 2004. | |
| MN | R9 | GENBANK DATABASE Accession Number CAE35184, May 6, 2004. | |
| MN | R10 | GENBANK DATABASE Accession Number NP_568068, February 19, 2004. | |
| MN | R11 | GENBANK DATABASE Accession Number ZP_00024197, September 26, 2003. | |

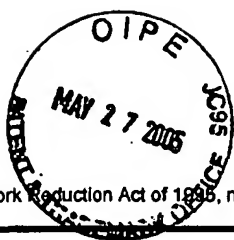
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| Art Unit | 1645 |
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| Attorney Docket Number | UF-387 |

Sheet

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of

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U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|---|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| MN | U1 | US-5,798,219 | 08-25-1998 | Knowles, D. P. <i>et al.</i> | ALL |
| | U2 | US- | | | |
| | U3 | US- | | | |
| | U4 | US- | | | |
| | U5 | US- | | | |
| | U6 | US- | | | |
| | U7 | US- | | | |
| | U8 | US- | | | |
| | U9 | US- | | | |

FOREIGN PATENT DOCUMENTS

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|-----------------------|--------------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
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| | F7 | | | | | |

Examiner
Signature

/Albert M Navarro/

Date

Considered

01/11/2007

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| | | Number - Kind Code* (if known) | | | |
| MN | U1 | US-6,524,825 | 02-25-2003 | Stressgen Biotechnologies, Inc. | All |
| | U2 | US-6,419,931 | 07-16-2002 | Epimmune Inc. | All |
| | U3 | US-6,417,337 | 07-09-2002 | The Dow Chemical Co. | All |
| | U4 | US-6,342,362 | 01-29-2002 | Mytelka, Daniel S. | All |
| | U5 | US-6,319,691 | 11-20-2001 | USA Universe Bioengineering, Inc. | All |
| | U6 | US-6,277,375 | 08-21-2001 | Board of Regents, The University of Texas System | All |
| | U7 | US-6,121,424 | 09-19-2000 | Enzon, Inc. | All |
| | U8 | US-5,990,275 | 11-23-1999 | Enzon, Inc. | All |
| | U9 | US-5,843,464 | 12-01-1998 | Ohio State University | All |
| | U10 | US-5,750,352 | 05-12-1998 | Johns Hopkins University | All |
| | U11 | US-5,726,010 | 03-10-1998 | IDEXX Laboratories, Inc. | All |
| | U12 | US-5,712,170 | 01-27-1998 | Oy Medix Biochemica AB | All |
| | U13 | US-5,643,570 | 07-01-1997 | XOMA Corporation | All |
| | U14 | US-5,565,335 | 10-15-1996 | Genentech, Inc. | All |
| | U15 | US-5,183,740 | 02-02-1993 | United States of America as represented by Secretary of the Navy | All |
| | U16 | US-4,816,567 | 03-28-1989 | Genentech, Inc. | All |
| | U17 | US-4,738,846 | 04-19-1988 | The Salk Institute for Biological Studies | All |

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| FOREIGN PATENT DOCUMENTS | | | | | | |
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| | | Country Code ³ | Number ⁴ - Kind Code ⁵ (if known) | | | |
| MN | F1 | EP | 0 404 097 B1 | 06-20-1990 | Behringwerke <i>et al.</i> | All |
| MN | F2 | WO | 93/11161 | 06-10-1993 | Enzon, Inc. | All |
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| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| MN | R1 | ALTENDORF <i>et al.</i> (1999) "Structure and function of the F _o complex of the ATP synthase from <i>Escherichia coli</i> " <i>J. Exp. Biol.</i> 203:19-28. | |
| MN | R2 | ALTSCHUL <i>et al.</i> (1990) "Basic local alignment search tool" <i>J. Mol. Biol.</i> 215(3):403-410. | |
| MN | R3 | ALWINE, <i>et al.</i> (1977) "Method for detection of specific RNAs in agarose gels by transfer to diazobenzylmethyl-paper and hybridization with DNA probes" <i>Proc. Natl. Acad. Sci.</i> 74:5350-5354. | |
| MN | R4 | BENOIST AND CHAMBON. (1981) "In vivo sequence requirements of the SV40 early promoter region" <i>Nature</i> 290:304-310. | |
| MN | R5 | BERCHTOLD, <i>et al.</i> , (1989) "A simple method for direct cloning and sequencing cDNA by the use of a single specific oligonucleotide and oligo (dT) in a polymerase chain reaction (PCR)" <i>Nuc. Acids. Res.</i> 17(1):453. | |
| MN | R6 | BIANCHI <i>et al.</i> (1997) "Biosensor technology and surface plasmon resonance for real-time detection of HIV-1 genomic sequences amplified by polymerase chain reaction" <i>Clin. Diagn. Virol.</i> , 8:199-208. | |
| MN | R7 | BRINSTER <i>et al.</i> (1982) "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs" <i>Nature</i> 296:39-42. | |
| MN | R8 | CLACKSON <i>et al.</i> (1991) "Making antibody fragments using phage display libraries" <i>Nature</i> 352: 624-628. | |
| MN | R9 | DE BOER, <i>et al.</i> (1983) "The <i>tac</i> promoter: A functional hybrid derived from the <i>trp</i> and <i>lac</i> promoters" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 80:21-25. | |
| MN | R10 | EINHAUER <i>et al.</i> (2001) "The FLAG TM peptide, a versatile fusion tag for the purification of recombinant proteins" <i>J. Biochem Biophys Methods</i> 49:455-465. | |
| MN | R11 | GARDNER, <i>et al.</i> (1981) "The complete nucleotide sequence of an infectious clone of cauliflower mosaic virus by M13mp7 shotgun sequencing" <i>Nucl. Acids Res.</i> 9:2871-2888. | |
| MN | R12 | GISH AND STATES (1993) "Identification of protein coding regions by database similarity search" <i>Nature Genetics</i> 3:266-272. | |

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| | | | | Application Number | 10/696,019 |
| | | | | Filing Date | October 28, 2003 |
| | | | | First Named Inventor | Arthur Rick Alleman |
| | | | | Group Art Unit | 1645 |
| | | | | Examiner Name | Unknown |
| Sheet | 4 | of | 6 | Attorney Docket Number | UF-387 |

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| MN | R13 | HERRERA-ESTRELLA <i>et al.</i> (1983) "Expression of chimaeric genes transferred into plant cells using a Ti-plasmid-derived vector" <i>Nature</i> 303:209-213. | |
| MN | R14 | HERRERA-ESTRELLA <i>et al.</i> (1984) "Light-inducible and chloroplast-associated expression of a chimaeric gene introduced into <i>Nicotiana tabacum</i> using a Ti plasmid vector" <i>Nature</i> 310:115-120. | |
| MN | R15 | HOLLIGER <i>et al.</i> (1993) "'Diabodies" Small bivalent and bispecific antibody fragments" <i>Proc. Natl. Acad. Sci. USA</i> 90:6444-6448. | |
| MN | R16 | JONES <i>et al.</i> (1995) "Current trends in molecular recognition and bioseparation" <i>J. Chromatog. A</i> 707:3-22. | |
| MN | R17 | KOHLER AND MILSTEIN (1975) "Continuous cultures of fused cells secreting antibody of predefined specificity" <i>Nature</i> 256:495-497. | |
| MN | R18 | KUSTERBECK <i>et al.</i> (1990) "A continuous flow immunoassay for rapid and sensitive detection of small molecules" <i>J. Immunol. Methods</i> 135:191-197. | |
| MN | R19 | MARGOLIN (2000) "Green fluorescent protein as a reporter for macromolecular localization in bacterial cells" <i>Methods</i> 20:62-72. | |
| MN | R20 | MARKS <i>et al.</i> (1991) "By-passing immunization. Human antibodies from V-gene libraries displayed on phage" <i>J. Mol. Biol.</i> 222: 581-597. | |
| MN | R21 | MELTON, <i>et al.</i> (1984) "Efficient <i>in vitro</i> synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter" <i>Nuc. Acids Res.</i> 12:7035-7056. | |
| MN | R22 | MORRISON <i>et al.</i> (1984) "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains" <i>Proc. Natl. Acad. Sci. USA</i> 81: 6851-6855. | |
| MN | R23 | PEARSON AND LIPMAN (1988) "Improved tools for biological sequence comparison" <i>Proc. Natl. Acad. Sci. USA</i> 85(8):2444-2448. | |
| MN | R24 | PUIG <i>et al.</i> (2001) "The tandem affinity purification (TAP) method: A general procedure of protein complex purification" <i>Methods</i> 24:218-29. | |

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| MN | R25 | SAMBROOK <i>et al.</i> (1989) "Analysis and Cloning of Eukaryotic Genomic DNA" IN: <i>Molecular Cloning. A Laboratory Manual, Second Edition</i> , Cold Spring Harbor Press, New York, NY, pp. 9.47-9.57. | | |
| MN | R26 | SCHENA <i>et al.</i> (1995) "Quantitative monitoring of gene expression patterns with a complementary DNA microarray" <i>Science</i> 270:467-470. | | |
| MN | R27 | SCHENA <i>et al.</i> (1996) "Genome analysis with gene expression microarrays" <i>BioEssays</i> 18:427-431. | | |
| MN | R28 | SCHENA <i>et al.</i> (1996) "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 93:10614-10619. | | |
| MN | R29 | SKERRA <i>et al.</i> (1999) "Applications of a peptide ligand for streptavidin: The <i>Strep-tag</i> " <i>Biomolecular Engineering</i> 16:79-86. | | |
| MN | R30 | SUTTER <i>et al.</i> (1994) "A recombinant vector derived from the host range-restricted and highly attenuated MVA strain of vaccinia virus stimulates protective immunity in mice to influenza virus" <i>Vaccine</i> 12(11):1032-1040. | | |
| MN | R31 | THOMPSON <i>et al.</i> (1994) "CLUSTAL W: Improving the sensitivity of progressive multiple sequence alignment through sequence weighing, position-specific gap penalties and weight matrix choice" <i>Nucleic Acids Res.</i> 22(2):4673-4680. | | |
| MN | R32 | VILLA-KAMAROFF <i>et al.</i> (1978) "A bacterial clone synthesizing proinsulin" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 75:3727-3731. | | |
| MN | R33 | WAGNER <i>et al.</i> (1981) "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 78:1441-1445. | | |
| MN | R34 | WEI <i>et al.</i> (1983) "Isolation and comparison of two molecular species of the BAL 31 nuclease from <i>Alteromonas espejiana</i> with distinct kinetic properties" <i>J. Biol. Chem.</i> 258:13506-13512. | | |
| MN | R35 | YAMAMOTO <i>et al.</i> (1980) "Identification of a functional promoter in the long terminal repeat of Rous sarcoma virus" <i>Cell</i> 22:787-797. | | |
| MN | R36 | ZAPATA <i>et al.</i> (1995) "Engineering linear F(ab') ₂ fragments for efficient production in <i>Escherichia coli</i> and enhanced antiproliferative activity" <i>Protein Eng.</i> 8(10):1057-1062. | | |
| MN | R37 | SASSENFELD (1990) "Engineering proteins for purification" <i>TibTech</i> 8:88-93. | | |

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| MN | R38 | SMITH (1998) "Cookbook for eukaryotic protein expression: Yeast, insect, and plant expression systems" <i>The Scientist</i> 12(22):20. | |
| MN | R39 | UNGER (1997) "Show me the money: Prokaryotic expression vectors and purification systems" <i>The Scientist</i> 11(17):20. | |
| MN | R40 | KUSTERBECK <i>et al.</i> (1990) "Antibody-Based Biosensor for Continuous Monitoring" IN: <i>Biosensor Technology, Fundamentals and Applications</i> , R. P. Buck <i>et al.</i> , eds., Marcel Dekker, New York, NY, pp. 345-350. | |
| MN | R41 | LIGLER <i>et al.</i> (1992) "Drug Detection Using the Flow Immunosensor" IN: <i>Biosensor Design and Application</i> , J. Findley <i>et al.</i> , eds., American Chemical Society Press, Washington, D.C., pp. 73-80. | |
| MN | R42 | OGERT <i>et al.</i> (1992) "Detection of cocaine using the flow immunosensor" <i>Analytical Letters</i> 25:1999-2019. | |
| MN | R43 | <i>Monoclonal Antibodies: Principles and Practice, Production and Application of Monoclonal Antibodies in Cell Biology, Biochemistry and Immunology</i> (1983), J.W. Goding ed., Academic Press, New York, NY. | |
| MN | R44 | <i>Monoclonal Hybridoma Antibodies: Techniques and Applications</i> (1982), J.G.R. Hurrell, ed., CRC Press, Boca Raton, FL. | |
| MN | R45 | <i>Selected Methods in Cellular Immunology</i> (1980), B.B. Mishell <i>et al.</i> , eds., W.H. Freeman and Company, San Francisco, CA. | |
| MN | R46 | <i>Immunological Methods, Volume II</i> (1981), I. Lefkovits and B. Pernis, eds., Academic Press, Inc., New York, NY. | |
| MN | R47 | <i>Practical Immunology, Second Edition</i> (1980), L. Hudson and F.C. Hay, eds., Blackwell Scientific Publications, London. | |
| MN | R48 | PIETU <i>et al.</i> (1996) "Novel gene transcripts preferentially expressed in human muscles revealed by quantitative hybridization of a high density cDNA array" <i>Genome Research</i> 6:492-503. | |
| MN | R49 | BANEYX, F. (1999) "Recombinant protein expression in <i>Escherichia coli</i> " <i>Curr. Opin. Biotechnol.</i> 10:411-421. | |

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